

### SERIES SELECTION

#### Power Inverter Series

##### Indoor Unit

**R32**  
**R410A**



PKA-M35/50LA(L)2






PKA-M60/71/100KA(L)2

##### Outdoor Unit

**R32**


For Single

PUZ-ZM35/50 PUZ-ZM60/71 PUZ-ZM100/125/140



**R32**


For Multi (Twin/Triple/Quadruple)

PUZ-ZM71 PUZ-ZM100/125/140/200/250

##### Remote Controller



Optional (\*)    Optional    Optional (\*)    \*PKA-M·LAL2 only

(\*) PAC-SH29TC-E is required for LAL and KAL (optional)

**PKA-M LA(L)2/KA(L)2 Indoor Unit Combinations** Indoor unit combinations shown below are possible.


| Indoor Unit Combination | Outdoor Unit Capacity |      |      |      |       |     |     |     |          |              |      |      |            |              |               |              |      |               |      |      |
|-------------------------|-----------------------|------|------|------|-------|-----|-----|-----|----------|--------------|------|------|------------|--------------|---------------|--------------|------|---------------|------|------|
|                         | For Single            |      |      |      |       |     |     |     | For Twin |              |      |      | For Triple |              | For Quadruple |              |      |               |      |      |
|                         | 35                    | 50   | 60   | 71   | 100   | 125 | 140 | 200 | 250      | 71           | 100  | 125  | 140        | 200          | 250           | 140          | 200  | 250           | 200  | 250  |
| Power Inverter (PUZ-ZM) | 35x1                  | 50x1 | 60x1 | 71x1 | 100x1 | -   | -   | -   | -        | 35x2         | 50x2 | 60x2 | 71x2       | 100x2        | -             | 50x3         | 60x3 | 71x3          | 50x4 | 60x4 |
| Distribution Pipe       | -                     | -    | -    | -    | -     | -   | -   | -   | -        | MSDD-50TR2-E |      |      |            | MSDD-50WR2-E | -             | MSDT-111R3-E |      | MSDF-1111R2-E |      |      |

### SERIES SELECTION


#### Standard Inverter Series

##### Indoor Unit

**R32**  
**R410A**



PKA-M35/50LA(L)2




PKA-M60/71/100KA(L)2

##### Outdoor Unit

**R32**



For Single



PUZ-M100





**R32**

For Multi (Twin/Triple/Quadruple)

PUZ-M100/125/140 PUZ-M200/250

##### Remote Controller

Optional (\*)    Optional    Optional (\*)    \*PKA-M·LAL2 only

(\*) PAC-SH29TC-E is required for LAL and KAL (optional)

**PKA-M LA(L)2/KA(L)2 Indoor Unit Combinations** Indoor unit combinations shown below are possible.

| Indoor Unit Combination   | Outdoor Unit Capacity |    |    |    |       |     |     |     |          |              |      |      |            |              |               |              |      |               |      |
|---------------------------|-----------------------|----|----|----|-------|-----|-----|-----|----------|--------------|------|------|------------|--------------|---------------|--------------|------|---------------|------|
|                           | For Single            |    |    |    |       |     |     |     | For Twin |              |      |      | For Triple |              | For Quadruple |              |      |               |      |
|                           | 35                    | 50 | 60 | 71 | 100   | 125 | 140 | 200 | 250      | 71           | 100  | 125  | 140        | 200          | 250           | 140          | 200  | 250           | 200  |
| Standard Inverter (PUZ-M) | -                     | -  | -  | -  | 100x1 | -   | -   | -   | -        | 50x2         | 60x2 | 71x2 | 100x2      | -            | 50x3          | 60x3         | 71x3 | 50x4          | 60x4 |
| Distribution Pipe         | -                     | -  | -  | -  | -     | -   | -   | -   | -        | MSDD-50TR2-E |      |      |            | MSDD-50WR2-E | -             | MSDT-111R3-E |      | MSDF-1111R2-E |      |

## PKA-M SERIES POWER INVERTER



| Type                                 | Inverter Heat Pump                            |                                 |                         |      |               |              |
|--------------------------------------|---|---------------------------------|-------------------------|------|---------------|--------------|
| Indoor Unit                          | PKA-M35LA(L)2                                 |                                 | PKA-M50LA(L)2           |      | PKA-M71KA(L)2 |              |
| Outdoor Unit                         | PUZ-ZM35VKA2                                  |                                 | PUZ-ZM50VKA2            |      | PUZ-ZM71VHA2  |              |
| Refrigerant <sup>(1)</sup>           | R32   |                                 |                         |      |               |              |
| Power Supply                         | Outdoor power supply                          |                                 |                         |      |               |              |
| Source                               | VKA·VHA:230/Single/50, YKA:400/Three/50       |                                 |                         |      |               |              |
| Outdoor(V/Phase/Hz)                  |   |                                 |                         |      |               |              |
| Cooling                              | Capacity                                      | Rated                           | kW                      |      | 9.5           |              |
|                                      |   | Min-Max                         | kW                      |      | 4.0 - 10.6    |              |
|                                      | Total Input                                   | Rated                           | kW                      |      | 2.941         |              |
|                                      | EER   |                                 |                         |      | 3.23          |              |
|                                      | Design load                                   |                                 | kW                      |      | 9.5           |              |
|                                      | Annual electricity consumption <sup>(2)</sup> |                                 | kWh/a                   |      | 573           |              |
| SEER <sup>(4)</sup>                  |   |                                 |                         | 5.8  |               |              |
|                                      |   |                                 | Energy efficiency class |      |               | A+           |
| Heating                              | Capacity                                      | Rated                           | kW                      |      | 11.2          |              |
|                                      |   | Min-Max                         | kW                      |      | 2.8 - 12.5    |              |
|                                      | Total Input                                   | Rated                           | kW                      |      | 3.284         |              |
|                                      | COP   |                                 |                         |      | 3.41          |              |
|                                      | Design load                                   |                                 | kW                      |      | 8.0           |              |
|                                      | Declared Capacity                             | at reference design temperature | kW                      |      | 6.0 (-10°C)   |              |
|                                      |   | at bivalent temperature         | kW                      |      | 7.0 (-7°C)    |              |
|                                      |   | at operation limit temperature  | kW                      |      | 4.5 (-15°C)   |              |
|                                      | Back up heating capacity                      |                                 | kW                      |      | 2.0           |              |
|                                      | Annual electricity consumption <sup>(2)</sup> |                                 | kWh/a                   |      | 2780          |              |
| SCOP <sup>(4)</sup>                  |   |                                 |                         | 4.0  |               |              |
|                                      |   |                                 | Energy efficiency class |      |               | A+           |
| Operating Current(Max)               |   | A                               |                         | 20.6 |               |              |
| Indoor Unit                          | Input [cooling / Heating]                     | Rated                           | kW                      |      | 0.04 / 0.03   |              |
|                                      | Operating Current(Max)                        |                                 | A                       |      | 0.57          |              |
|                                      | Dimensions                                    | H*W*D                           | mm                      |      | 365-1170-295  |              |
|                                      | Weight  |                                 | kg                      |      | 21            |              |
|                                      | Air Volume (Lo-Mi2-Mi1-Hi)                    |                                 | m³/min                  |      | 20-23-26      |              |
|                                      | Sound Level (Lo-Mi2-Mi1-Hi) (SPL)             |                                 | dB(A)                   |      | 41-45-49      |              |
|                                      | Sound Level (PWL)                             |                                 | dB(A)                   |      | 65            |              |
|                                      | Operating Current(Max)                        |                                 | A                       |      | 11.5          |              |
|                                      | Breaker Size                                  |                                 | A                       |      | 32            |              |
|                                      | Ext.Piping                                    | Diameter <sup>(5)</sup>         | Liquid/Gas              | mm   |               | 9.52 / 15.88 |
| Max.Length                           |   | Out-In                          | m                       |      | 55            |              |
| Max.Height                           |   | Out-In                          | m                       |      | 30            |              |
| Guaranteed Operating Range (Outdoor) | Cooling <sup>(3)</sup>                        | °C                              | -15 ~ +46               |      | -15 ~ +46     |              |
|                                      | Heating                                       | °C                              | -11 ~ +21               |      | -20 ~ +21     |              |

<sup>(1)</sup> Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

<sup>(2)</sup> Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

<sup>(3)</sup> Optional air protection guide is required where ambient temperature is lower than -5°C. <sup>(4)</sup> SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

<sup>(5)</sup> Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

## PKA-M SERIES STANDARD INVERTER



| Type                                 | Inverter Heat Pump                            |                                 |                         |      |              |              |
|--------------------------------------|---|---------------------------------|-------------------------|------|--------------|--------------|
| Indoor Unit                          | PKA-M100KA(L)2                                |                                 |                         |      |              |              |
| Outdoor Unit                         | PUZ-M100VKA2                                  |                                 |                         |      |              |              |
| Refrigerant <sup>(1)</sup>           | R32   |                                 |                         |      |              |              |
| Power Supply                         | Outdoor power supply                          |                                 |                         |      |              |              |
| Source                               | VKA·VHA:230/Single/50, YKA:400/Three/50       |                                 |                         |      |              |              |
| Outdoor(V/Phase/Hz)                  |   |                                 |                         |      |              |              |
| Cooling                              | Capacity                                      | Rated                           | kW                      |      | 9.5          |              |
|                                      |   | Min-Max                         | kW                      |      | 4.0 - 10.6   |              |
|                                      | Total Input                                   | Rated                           | kW                      |      | 2.941        |              |
|                                      | EER   |                                 |                         |      | 3.23         |              |
|                                      | Design load                                   |                                 | kW                      |      | 9.5          |              |
|                                      | Annual electricity consumption <sup>(2)</sup> |                                 | kWh/a                   |      | 573          |              |
| SEER <sup>(4)</sup>                  |   |                                 |                         | 5.8  |              |              |
|                                      |   |                                 | Energy efficiency class |      |              | A+           |
| Heating                              | Capacity                                      | Rated                           | kW                      |      | 11.2         |              |
|                                      |   | Min-Max                         | kW                      |      | 2.8 - 12.5   |              |
|                                      | Total Input                                   | Rated                           | kW                      |      | 3.284        |              |
|                                      | COP   |                                 |                         |      | 3.41         |              |
|                                      | Design load                                   |                                 | kW                      |      | 8.0          |              |
|                                      | Declared Capacity                             | at reference design temperature | kW                      |      | 6.0 (-10°C)  |              |
|                                      |   | at bivalent temperature         | kW                      |      | 7.0 (-7°C)   |              |
|                                      |   | at operation limit temperature  | kW                      |      | 4.5 (-15°C)  |              |
|                                      | Back up heating capacity                      |                                 | kW                      |      | 2.0          |              |
|                                      | Annual electricity consumption <sup>(2)</sup> |                                 | kWh/a                   |      | 2780         |              |
| SCOP <sup>(4)</sup>                  |   |                                 |                         | 4.0  |              |              |
|                                      |   |                                 | Energy efficiency class |      |              | A+           |
| Operating Current(Max)               |   | A                               |                         | 20.6 |              |              |
| Indoor Unit                          | Input [cooling / Heating]                     | Rated                           | kW                      |      | 0.08 / 0.07  |              |
|                                      | Operating Current(Max)                        |                                 | A                       |      | 0.57         |              |
|                                      | Dimensions                                    | H*W*D                           | mm                      |      | 365-1170-295 |              |
|                                      | Weight  |                                 | kg                      |      | 21           |              |
|                                      | Air Volume (Lo-Mi2-Mi1-Hi)                    |                                 | m³/min                  |      | 20-23-26     |              |
|                                      | Sound Level (Lo-Mi2-Mi1-Hi) (SPL)             |                                 | dB(A)                   |      | 41-45-49     |              |
|                                      | Sound Level (PWL)                             |                                 | dB(A)                   |      | 65           |              |
|                                      | Operating Current(Max)                        |                                 | A                       |      | 11.5         |              |
|                                      | Breaker Size                                  |                                 | A                       |      | 32           |              |
|                                      | Ext.Piping                                    | Diameter <sup>(5)</sup>         | Liquid/Gas              | mm   |              | 9.52 / 15.88 |
| Max.Length                           |   | Out-In                          | m                       |      | 55           |              |
| Max.Height                           |   | Out-In                          | m                       |      | 30           |              |
| Guaranteed Operating Range (Outdoor) | Cooling <sup>(3)</sup>                        | °C                              | -15 ~ +46               |      | -15 ~ +46    |              |
|                                      | Heating                                       | °C                              | -11 ~ +21               |      | -20 ~ +21    |              |

<sup>(1)</sup> Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

<sup>(2)</sup> Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

<sup>(3)</sup> Optional air protection guide is required where ambient temperature is lower than -5°C. <sup>(4)</sup> SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

<sup>(5)</sup> Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.


## SERIES SELECTION

### Power Inverter Series

**Indoor Unit**



PKA-M35/50LA(L)2




PKA-M60/71/100KA(L)2

**Outdoor Unit**

R410A

For Single

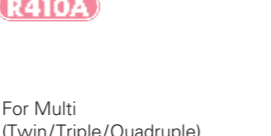





PUHZ-ZRP35/50 PUHZ-ZRP60/71 PUHZ-ZRP100


R410A

For Multi (Twin/Triple/Quadruple)

PUHZ-ZRP71 PUHZ-ZRP100/125/140/200/250

**Remote Controller**



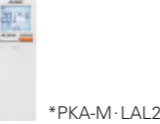
Optional (\*)



Optional



Optional (\*)



\*PKA-M·LAL2 only

(\*) PAC-SH29TC-E is required for LAL and KAL (optional)


PKA-M LA(L)/KA(L) Indoor Unit Combinations Indoor unit combinations shown below are possible.

| Indoor Unit Combination   | Outdoor Unit Capacity |      |      |      |       |     |     |     |             |             |      |      |            |       |             |      |               |              |      |      |
|---------------------------|-----------------------|------|------|------|-------|-----|-----|-----|-------------|-------------|------|------|------------|-------|-------------|------|---------------|--------------|------|------|
|                           | For Single            |      |      |      |       |     |     |     | For Twin    |             |      |      | For Triple |       |             |      | For Quadruple |              |      |      |
|                           | 35                    | 50   | 60   | 71   | 100   | 125 | 140 | 200 | 250         | 71          | 100  | 125  | 140        | 200   | 250         | 140  | 200           | 250          | 200  | 250  |
| Power Inverter (PUHZ-ZRP) | 35x1                  | 50x1 | 60x1 | 71x1 | 100x1 | —   | —   | —   | —           | 35x2        | 50x2 | 60x2 | 71x2       | 100x2 | —           | 50x3 | 60x3          | 71x3         | 50x4 | 60x4 |
| Distribution Pipe         | —                     | —    | —    | —    | —     | —   | —   | —   | MSDD-50TR-E | MSDD-50WR-E | —    | —    | —          | —     | MSDT-111R-E | —    | —             | MSDF-1111R-E | —    |      |


## SERIES SELECTION

### Standard Inverter Series

**Indoor Unit**



PKA-M35/50LA(L)2

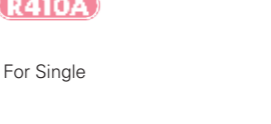


PKA-M60/71/100KA(L)2

**Outdoor Unit**

R410A

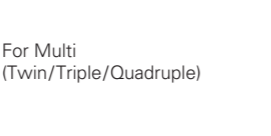

For Single



PUHZ-P100


R410A

For Multi (Twin/Triple/Quadruple)





PUHZ-P100/125/140 PUHZ-P200/250


**Remote Controller**



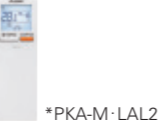
Optional (\*)



Optional



Optional (\*)



\*PKA-M·LAL2 only

(\*) PAC-SH29TC-E is required for LAL and KAL (optional)

PKA-M LA/KA Indoor Unit Combinations Indoor unit combinations shown below are possible.

| Indoor Unit Combination    | Outdoor Unit Capacity |    |    |    |       |     |     |     |             |             |      |      |            |     |             |      |               |              |      |     |
|----------------------------|-----------------------|----|----|----|-------|-----|-----|-----|-------------|-------------|------|------|------------|-----|-------------|------|---------------|--------------|------|-----|
|                            | For Single            |    |    |    |       |     |     |     | For Twin    |             |      |      | For Triple |     |             |      | For Quadruple |              |      |     |
|                            | 35                    | 50 | 60 | 71 | 100   | 125 | 140 | 200 | 250         | 71          | 100  | 125  | 140        | 200 | 250         | 140  | 200           | 250          | 200  | 250 |
| Standard Inverter (PUHZ-P) | —                     | —  | —  | —  | 100x1 | —   | —   | —   | —           | 50x2        | 60x2 | 71x2 | 100x2      | —   | 50x3        | 60x3 | 71x3          | 50x4         | 60x4 |     |
| Distribution Pipe          | —                     | —  | —  | —  | —     | —   | —   | —   | MSDD-50TR-E | MSDD-50WR-E | —    | —    | —          | —   | MSDT-111R-E | —    | —             | MSDF-1111R-E | —    |     |

### PKA-M SERIES POWER INVERTER

- Demand Control
- Pure White
- AUTO VANE
- Check
- S-WING
- AUTO
- ACO
- Auto Restart
- Low Temp Cooling
- Silent
- Ampere Limit
- Rotation Back-up
- Group Control
- M-NET
- Wi-Fi (i) Interface
- COMPO
- Wiring Reuse
- Drain Lift Up
- Pump Down
- Flare connection
- Self Diagnosis
- Failure Recall

| Type                                 | Inverter Heat Pump                            | Inverter Heat Pump              |               |                  |                  |                |                |              |              |
|--------------------------------------|---|---------------------------------|---------------|------------------|------------------|----------------|----------------|--------------|--------------|
|                                      |   | PKA-M35LA(L)2                   | PKA-M50LA(L)2 | PKA-M60KA(L)2    | PKA-M71KA(L)2    | PKA-M100KA(L)2 | PKA-M100KA(L)2 |              |              |
| Indoor Unit                          | Outdoor Unit                                  |                                 |               |                  |                  |                |                |              |              |
| Refrigerant <sup>(1)</sup>           | R410A   |                                 |               |                  |                  |                |                |              |              |
| Power Supply                         | Outdoor power supply                          |                                 |               |                  |                  |                |                |              |              |
| Supply                               | Outdoor(V/Phase/Hz)                           |                                 |               |                  |                  |                |                |              |              |
| Cooling                              | Capacity                                      | Rated                           | kW            | 3.6              | 4.6              | 6.1            | 7.1            | 9.5          | 9.5          |
|                                      |   | Min-Max                         | kW            | 1.6 - 4.5        | 2.3 - 5.4        | 2.7 - 6.7      | 3.3 - 8.1      | 4.9 - 11.4   | 4.9 - 11.4   |
|                                      | Total Input                                   | Rated                           | kW            | 0.940            | 1.424            | 1.601          | 1.802          | 2.398        | 2.398        |
|                                      | EER   |                                 |               | 3.80             | 3.23             | 3.81           | 3.94           | 3.96         | 3.96         |
|                                      | Design load                                   |                                 | kW            | 3.6              | 4.6              | 6.1            | 7.1            | 9.5          | 9.5          |
|                                      | Annual electricity consumption <sup>(2)</sup> |                                 | kWh/a         | 206              | 263              | 324            | 367            | 522          | 532          |
|                                      | SEER <sup>(4)</sup>                           |                                 |               | 6.1              | 6.1              | 6.5            | 6.7            | 6.3          | 6.2          |
| Heating                              | Energy efficiency class                       |                                 |               | A++              | A++              | A++            | A++            | A++          | A++          |
|                                      | Capacity                                      | Rated                           | kW            | 4.1              | 5.0              | 7.0            | 8.0            | 11.2         | 11.2         |
|                                      |   | Min-Max                         | kW            | 1.6 - 5.2        | 2.5 - 7.3        | 2.8 - 8.2      | 3.5 - 10.2     | 4.5 - 14.0   | 4.5 - 14.0   |
|                                      | Total Input                                   | Rated                           | kW            | 1.070            | 1.501            | 1.960          | 2.191          | 3.043        | 3.043        |
|                                      | COP   |                                 |               | 3.83             | 3.33             | 3.57           | 3.65           | 3.68         | 3.68         |
|                                      | Design load                                   |                                 | kW            | 2.4              | 3.3              | 4.4            | 4.7            | 7.8          | 7.8          |
|                                      | Declared Capacity                             | at reference design temperature | kW            | 2.4 (-10°C)      | 3.3 (-10°C)      | 4.4 (-10°C)    | 4.7 (-10°C)    | 7.8 (-10°C)  | 7.8 (-10°C)  |
|                                      |   | at bivalent temperature         | kW            | 2.4 (-10°C)      | 3.3 (-10°C)      | 4.4 (-10°C)    | 4.7 (-10°C)    | 7.8 (-10°C)  | 7.8 (-10°C)  |
|                                      |   | at operation limit temperature  | kW            | 2.2 (-11°C)      | 3.2 (-11°C)      | 2.8 (-20°C)    | 3.5 (-20°C)    | 5.8 (-20°C)  | 5.8 (-20°C)  |
|                                      | Back up heating capacity                      |                                 | kW            | 0.0              | 0.0              | 0.0            | 0.0            | 0.0          | 0.0          |
|                                      | Annual electricity consumption <sup>(2)</sup> |                                 | kWh/a         | 841              | 1126             | 1466           | 1529           | 2659         | 2660         |
|                                      | SCOP <sup>(4)</sup>                           |                                 |               | 3.9              | 4.1              | 4.2            | 4.3            | 4.1          | 4.1          |
| Energy efficiency class              |   |                                 | A             | A+               | A+               | A+             | A+             | A+           |              |
| Operating Current(Max)               |   | A                               | 13.4          | 13.4             | 19.4             | 19.4           | 27.1           | 8.6          |              |
| Indoor Unit                          | Input (cooling / Heating)                     | Rated                           | kW            | 0.04 / 0.03      | 0.04 / 0.03      | 0.06 / 0.05    | 0.06 / 0.05    | 0.08 / 0.07  | 0.08 / 0.07  |
|                                      | Operating Current(Max)                        |                                 | A             | 0.35             | 0.43             | 0.43           | 0.43           | 0.57         | 0.57         |
|                                      | Dimensions                                    | H*W*D                           | mm            | 299-898-237      | 299-898-237      | 365-1170-295   | 365-1170-295   | 365-1170-295 | 365-1170-295 |
|                                      | Weight  |                                 | kg            | 12.6             | 12.6             | 21             | 21             | 21           | 21           |
|                                      | Air Volume (Lo-Mi2-Mi1-Hi)                    | Cooling                         | m³/min        | 7.5-8.2-9.2-10.9 | 7.5-8.2-9.2-10.9 | 18-20-22       | 18-20-22       | 20-23-26     | 20-23-26     |
|                                      |   | Heating                         | m³/min        | 34-37-40-43      | 34-37-40-43      | 39-42-45       | 39-42-45       | 41-45-49     | 41-45-49     |
|                                      | Sound Level (SPL)                             | Cooling                         | dB(A)         | 60               | 60               | 64             | 64             | 65           | 65           |
|                                      | Sound Level (PWL)                             | Cooling                         | dB(A)         | 60               | 60               | 64             | 64             | 65           | 65           |
|                                      | Operating Current(Max)                        | Cooling                         | A             | 13               | 13               | 19             | 19             | 26.5         | 8            |
|                                      |   | Heating                         | A             | 16               | 16               | 25             | 25             | 32           | 16           |
| Ext.Piping                           | Diameter <sup>(5)</sup>                       | Liquid/Gas                      | mm            | 6.35 / 12.7      | 6.35 / 12.7      | 9.52 / 15.88   | 9.52 / 15.88   | 9.52 / 15.88 | 9.52 / 15.88 |
|                                      | Max.Length                                    | Out-In                          | m             | 50               | 50               | 50             | 50             | 75           | 75           |
|                                      | Max.Height                                    | Out-In                          | m             | 30               | 30               | 30             | 30             | 30           | 30           |
|                                      |   | Heating                         | m             | 30               | 30               | 30             | 30             | 30           | 30           |
| Guaranteed Operating Range (Outdoor) | Cooling <sup>(3)</sup>                        | °C                              | -15 ~ +46     | -15 ~ +46        | -15 ~ +46        | -15 ~ +46      | -15 ~ +46      | -15 ~ +46    |              |
|                                      | Heating                                       | °C                              | -11 ~ +21     | -11 ~ +21        | -20 ~ +21        | -20 ~ +21      | -20 ~ +21      | -20 ~ +21    |              |

<sup>\*1</sup> Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

<sup>\*2</sup> Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

<sup>\*3</sup> Optional air protection guide is required where ambient temperature is lower than -5°C.

<sup>\*4</sup> SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

<sup>\*5</sup> Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

### PKA-M SERIES STANDARD INVERTER

- Demand Control
- Pure White
- AUTO VANE
- Check
- S-WING
- AUTO
- ACO
- Auto Restart
- Low Temp Cooling
- Silent
- Ampere Limit
- Rotation Back-up
- Group Control
- M-NET
- Wi-Fi (i) Interface
- COMPO
- Wiring Reuse
- Drain Lift Up
- Pump Down
- Flare connection
- Self Diagnosis
- Failure Recall

| Type                                 | Inverter Heat Pump                            | Inverter Heat Pump              |                |              |
|--------------------------------------|---|---------------------------------|----------------|--------------|
|                                      |   | PKA-M100KA(L)2                  | PKA-M100KA(L)2 | PUHZ-P100YKA |
| Indoor Unit                          | Outdoor Unit                                  |                                 |                |              |
| Refrigerant <sup>(1)</sup>           | R410A   |                                 |                |              |
| Power Supply                         | Outdoor power supply                          |                                 |                |              |
| Supply                               | Outdoor(V/Phase/Hz)                           |                                 |                |              |
| Cooling                              | Capacity                                      | Rated                           | kW             | 9.4          |
|                                      |   | Min-Max                         | kW             | 3.7 - 10.6   |
|                                      | Total Input                                   | Rated                           | kW             | 3.122        |
|                                      | EER   |                                 |                | 3.01         |
|                                      | Design load                                   |                                 | kW             | 9.4          |
|                                      | Annual electricity consumption <sup>(2)</sup> |                                 | kWh/a          | 586          |
|                                      | SEER <sup>(4)</sup>                           |                                 |                | 5.6          |
| Heating                              | Energy efficiency class                       |                                 |                | A+           |
|                                      | Capacity                                      | Rated                           | kW             | 11.2         |
|                                      |   | Min-Max                         | kW             | 2.8 - 12.5   |
|                                      | Total Input                                   | Rated                           | kW             | 3.489        |
|                                      | COP   |                                 |                | 3.21         |
|                                      | Design load                                   |                                 | kW             | 8.0          |
|                                      | Declared Capacity                             | at reference design temperature | kW             | 6.0 (-10°C)  |
|                                      |   | at bivalent temperature         | kW             | 7.0 (-7°C)   |
|                                      |   | at operation limit temperature  | kW             | 4.5 (-15°C)  |
|                                      | Back up heating capacity                      |                                 | kW             | 2.0          |
|                                      | Annual electricity consumption <sup>(2)</sup> |                                 | kWh/a          | 2799         |
|                                      | SCOP <sup>(4)</sup>                           |                                 |                | 4.0          |
| Energy efficiency class              |   |                                 | A+             |              |
| Operating Current(Max)               |   | A                               | 12.1           |              |
| Indoor Unit                          | Input (cooling / Heating)                     | Rated                           | kW             | 0.08 / 0.07  |
|                                      | Operating Current(Max)                        |                                 | A              | 0.57         |
|                                      | Dimensions                                    | H*W*D                           | mm             | 365-1170-295 |
|                                      | Weight  |                                 | kg             | 21           |
|                                      | Air Volume (Lo-Mi2-Mi1-Hi)                    | Cooling                         | m³/min         | 20-23-26     |
|                                      |   | Heating                         | m³/min         | 20-23-26     |
|                                      | Sound Level (SPL)                             | Cooling                         | dB(A)          | 41-45-49     |
|                                      | Sound Level (PWL)                             | Cooling                         | dB(A)          | 65           |
|                                      | Operating Current(Max)                        | Cooling                         | A              | 20           |
|                                      |   | Heating                         | A              | 11.5         |
| Ext.Piping                           | Diameter <sup>(5)</sup>                       | Liquid/Gas                      | mm             | 9.52 / 15.88 |
|                                      | Max.Length                                    | Out-In                          | m              | 50           |
| Guaranteed Operating Range (Outdoor) | Cooling <sup>(3)</sup>                        | °C                              | -15 ~ +46      |              |
|                                      | Heating                                       | °C                              | -15 ~ +21      |              |

<sup>\*1</sup> Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

<sup>\*2</sup> Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

<sup>\*3</sup> Optional air protection guide is required where ambient temperature is lower than -5°C.

<sup>\*4</sup> SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.

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